

## LINFENG RAO

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### EDUCATION

- 1968      B.Sc. Radiochemistry, University of Science and Technology of China, Beijing
- 1992      Ph.D. Inorganic Chemistry, Florida State University, Tallahassee, Florida  
Thesis Advisor: Prof. Gregory R. Choppin

### RESEARCH EXPERIENCE

- 1969 – 1981      China Institute of Atomic Energy, Beijing, China
- 1983 - 1987      Research Assistant and Research Associate, engaged in the development of separation techniques and analytical methods for actinides and fission products related to nuclear fuel reprocessing.
- 1981 – 1983      Florida State University
- 1987 – 1993      Visiting Scientist (1981-1983, 1987-1990), Graduate Research Assistant (1990-1992), and Postdoctoral Research Associate (1992-1993), conducting extensive research in the fundamental aspects of actinide chemistry, including the complexation of Th, U, Np, Pu and Am with inorganic (e.g., OH<sup>-</sup>, F<sup>-</sup>, ReO<sub>4</sub><sup>-</sup>, CO<sub>3</sub><sup>2-</sup>) and organic ligands (e.g., aminocarboxylic, alkyl- and aryl-dicarboxylic, diphosphonic and humic acids), and the kinetics and mechanism of the redox reactions of Np and Pu with organic compounds.
- 1993.8 – 1998.5      Pacific Northwest National Laboratory
- Research Scientist (1993 - 1994) and Senior Research Scientist (1994 - 1998), engaged in research projects including U.S. DOE's Waste Isolation Pilot Plant (WIPP), Tank Waste Remediation System (TWRS), Environmental Management Sciences Program (EMSP), and projects from Japan Power Reactor & Nuclear Fuel Development Corporation (JNC) and Mitsubishi Materials Corporation of Japan (MMC).
- 1998.6 – present      Lawrence Berkeley National Laboratory
- Principal Investigator, Staff Scientist (1998.6 – 2003.3) and Senior Staff

Scientist (2003.3 - present), engaged in actinide research supported by DOE's Basic Energy Sciences (BES) and EMSP programs.

## **PROFESSIONAL ACTIVITIES & SERVICES**

### **American Chemical Society (ACS):**

- Member, ACS, DNCT (Division of Nucl. Chem. & Tech.) (1993-present).
- Member, the Membership Committee, DNCT (1999-present).
- Chair, the Membership Committee, DNCT (1999-2000).

### **National Conference Organization:**

- Organizer, the Symposium on "Radionuclide Speciation in Real Systems" at the 212th ACS National Meeting, Orlando, FL, August 1996.
- Co-Chair, the 26<sup>th</sup> Actinide Separations Conference, organized by Lawrence Livermore National Laboratory and Lawrence Berkeley National Laboratory, June 3 – 6, 2002, Berkeley, CA.